

PRISM ASSEMBLY WITH CHOLESTERIC REFLECTORS

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Abstract Of The Disclosure

5 A prism assembly using only cholesteric layers for
splitting input light into component light beams and
individually directing the component light beams to modulating
devices. Liquid coupling prism assembly components to produce
reduced stress index and pathlength matched prism assemblies
from low tolerance components. Pathlength matching in beam
10 splitting devices using a variety of optical component shapes
and beam splitting layer materials. Various prism assembly
designs using cholesteric layers supported on planar and/or on
optical component diagonals.

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